

TABLE 1: DISTINCT TAXA

Distinct: The taxa in this list are those for which there was sufficient information to unambiguously identify the specimen to the species level. Species that could not be identified definitively can be found in Table 2 in this Appendix.

Data Listed: The status of introduction (introduced, cryptogenic, or Native X), the native region for the species, the first year recorded in California, and the potential pathway(s) of introduction are shown for all the distinct taxa found in this survey. Where more than one native range was indicated in the literature, all are listed below. Likewise, all potential pathways recorded in the literature are listed for each species for which there was information. A blank space indicates that the information is unknown.

Pathway Abbreviations:	B - Ballast Water F - Ship/Hull fouling	A - Aquaculture O - Other	I - Intentional Releases U- Unintentional Intro.		Blank Spaces-Unknown
Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
Acanthocephala					
	<i>Spirorhynchus verrucosus</i>	Cryptogenic			
Annelida					
	<i>Amblyosyllis speciosa</i>	Introduced			
	<i>Ampharete acutifrons</i>	Cryptogenic			
	<i>Ampharete cf. crassisetata</i>	Cryptogenic			
	<i>Ampharete cf. goesi</i>	Cryptogenic			
	<i>Amphitrite cirrata</i>	Cryptogenic		1896	
	<i>Amphitrite edwardsi</i>	Introduced			F
	<i>Ancistrosyllis greenlandica</i>	Introduced			
	<i>Anobothrus gracilis</i>	Introduced			F
	<i>Aphelochaeta monilaris</i>	Cryptogenic			
	<i>Apopriionospio pygmaea</i>	Cryptogenic			
	<i>Arabella iricolor</i>	Cryptogenic			
	<i>Arcteobia cf. anticostiensis</i>	Cryptogenic			
	<i>Aricidea catherinae</i>	Cryptogenic	Northwest Atlantic	1941	
	<i>Aricidea horikoshii</i>	Cryptogenic			
	<i>Aricidea lopezi</i>	Cryptogenic			
	<i>Aricidea wassi</i>	Cryptogenic			
	<i>Aulodrilus limnobius</i>	Cryptogenic			
Annelida (continued)	<i>Aulodrilus pigueti</i>	Cryptogenic			

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
	<i>Aulodrilus pluriseta</i>	Cryptogenic			
	<i>Autolytus cornutus</i>	Introduced	North America - Atlantic	1992	
	<i>Boccardiella hamata</i>	Cryptogenic	North America - Atlantic	2000	
	<i>Boccardiella ligerica</i>	Introduced	Europe	1935	B
	<i>Bothrioneurum vejvodshyanum</i>	Cryptogenic			
	<i>Branchiosyllis exilis</i>	Cryptogenic			
	<i>Branchiura sowerbyi</i>	Introduced	Asia	1950	BU
			Southwest Pacific		
	<i>Brania brevipharyngea</i>	Cryptogenic			
	<i>Capitella capitata Complex</i>	Cryptogenic	Asia		
	<i>Caprella acanthogaster</i>	Introduced	Western Pacific		
	<i>Caprella angusta</i>	Cryptogenic			
	<i>Caprella californica</i>	Cryptogenic			
	<i>Caprella cf. incisa</i>	Cryptogenic			
	<i>Caprella drepanochir</i>	Cryptogenic			
	<i>Chaetogaster diaphanous</i>	Introduced			
	<i>Chaetozone bansei</i>	Cryptogenic	North America - Pacific NW		
	<i>Chaetozone cf. spinosa</i>	Cryptogenic			
	<i>Chaetozone setosa Complex</i>	Cryptogenic			
	<i>Chone infundibuliformis</i>	Cryptogenic			
	<i>Circeis spirillum</i>	Introduced			F
	<i>Cirriformia sp. SD 2</i>	Cryptogenic			
	<i>Cossura pygodaactylata</i>	Cryptogenic			
	<i>Ctenodrilus serratus</i>	Cryptogenic			
	<i>Dasybranchus lumbricoides</i>	Cryptogenic			
	<i>Dero digitata</i>	Cryptogenic			
	<i>Dero trifida</i>	Cryptogenic			
	<i>Diopatra tridentata</i>	Cryptogenic			
	<i>Dipolydora bidentata</i>	Cryptogenic		1993	ABFO
	<i>Dipolydora caulleryi</i>	Introduced	Northwest Atlantic	1952	
	<i>Dipolydora giardi</i>	Cryptogenic			
	<i>Dipolydora quadrilobata</i>	Introduced			
	<i>Dipolydora socialis</i>	Cryptogenic	North Atlantic	1933	
	<i>Dispio uncinata</i>	Cryptogenic			
	<i>Dodecaceria concharum</i>	NativeX	Europe	1969	
	<i>Dorvillea nr. japonica</i>	Cryptogenic			
Annelida (continued)	<i>Dorvillea rudolphi</i>	Cryptogenic			
	<i>Eteone longa</i>	Cryptogenic			

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
	<i>Euchone incolor</i>	Cryptogenic			
	<i>Euchone limnicola</i>	Cryptogenic		2001	
	<i>Euclymeninae</i> sp.	Cryptogenic			
	<i>Eusyllis habei</i>	Cryptogenic			F
	<i>Exogone lourei</i>	Cryptogenic			
	<i>Exogone verugera</i>	Cryptogenic			
	<i>Fabricia sabella</i>	Cryptogenic	Europe	2000	
	<i>Ficopomatus enigmaticus</i>	Introduced	Australia	1920	F
	<i>Galathowenia oculata</i>	Cryptogenic			
	<i>Gattyana cirrosa</i>	Cryptogenic			
	<i>Geminosyllis ohma</i>	Introduced			
	<i>Glycera americana</i>	Cryptogenic		1992	ABF
	<i>Glycera convoluta</i>	Cryptogenic			
	<i>Glycera dibranchiata</i>	Cryptogenic			
	<i>Goniada maculata</i>	Cryptogenic			
	<i>Harmothoe extenuata</i>	Cryptogenic			
	<i>Harmothoe imbricata</i>	Cryptogenic		1992	
	<i>Heteromastus filiformis</i>	Introduced	Atlantic	1936	AB
			Europe		
			North America - Atlantic		
			Northwest Atlantic		
	<i>Heteropodarke heteromorpha</i>	Introduced	Southern Pacific	1978	
	<i>Hobsonia florida</i>	Introduced		1940	
	<i>Hydroides dirampa</i>	Introduced			
	<i>Hydroides elegans</i>	Cryptogenic	Indo-Pacific	1931	
	<i>Lanassa venusta</i> venusta	Introduced	Northwest Atlantic		
	<i>Lanice conchilega</i>	Cryptogenic			
	<i>Laonice cirrata</i>	Introduced	Northwest Atlantic	1959	
	<i>Levinsenia gracilis</i>	Cryptogenic	Northwest Atlantic		
	<i>Levinsenia oculata</i>	Cryptogenic			
	<i>Limnodrilus hoffmeisteri</i>	Cryptogenic			
	<i>Limnodrilus monothecus</i>	Introduced	Northwest Atlantic	1960	ABO
	<i>Limnodrilus udekemianus</i>	Cryptogenic			
	<i>Lumbrineridae</i>	Cryptogenic			
	<i>Lumbrineris japonica</i>	Cryptogenic			
Annelida (continued)	<i>Lumbrineris latreilli</i>	Cryptogenic			
	<i>Lumbrineris</i> sp. A	Cryptogenic			
	<i>Lumbrineris</i> sp. B	Cryptogenic			

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
	<i>Lycastopsis pontica</i>	Introduced		1979	
	<i>Manayunkia aestuarina</i>	Introduced	Northwest Atlantic		
	<i>Manayunkia speciosa</i>	Introduced	North America - Midwest	1961	BU
	<i>Marenzellaria viridis</i>	Introduced	Northwest Atlantic	1991	B
	<i>Marpysa sanguinea</i>	Cryptogenic	Europe	1969	AB
			North Atlantic		
	<i>Mediomastus</i>	Cryptogenic			
	<i>Mediomastus ambiseta</i>	Cryptogenic	North America - Pacific NW		
	<i>Megalomma pigmentum</i>	Cryptogenic			
	<i>Melinna oculata</i>	Introduced	Atlantic	1985	
	<i>Microphthalmus sczelkowii</i>	Cryptogenic	Northwest Atlantic		
	<i>Micropodarke dubia</i>	Cryptogenic	Japan		
	<i>Microspio pigmentata</i>	Cryptogenic			
	<i>Monticellina siblina</i>	Cryptogenic			
	<i>Myrianida pachycera</i>	Introduced			
	<i>Myxicola infundibulum</i>	Introduced	Atlantic	1969	
			Gulf of Mexico		
	<i>Nais barbata</i>	Cryptogenic			
	<i>Nais communis/ variabilis</i>	Cryptogenic			
	<i>Nais pardalis</i>	Cryptogenic			
	<i>Neanthes acuminata</i>	Introduced	Atlantic	1979	
	<i>Neanthes arenaceodentata</i>	Cryptogenic			
	<i>Neanthes virens</i>	Cryptogenic			
	<i>Neodexiospira pseudocorrugata</i>	Introduced	Western Pacific		
	<i>Neoleprea japonica</i>	Cryptogenic			
	<i>Nephtys caeca</i>	Cryptogenic			
	<i>Nereiphylla castanea</i>	Cryptogenic			
	<i>Nereis grubei</i>	Cryptogenic			
	<i>Nereis pelagica</i>	Cryptogenic		2000	
	<i>Nereis succinea</i>	Cryptogenic	North Atlantic	1896	ABF
			Northwest Atlantic		
	<i>Nereis virens</i>	Cryptogenic			
	<i>Nereis zonata</i>	Cryptogenic			
	<i>Nicolea gracilibranchis</i>	Introduced			
Annelida (continued)	<i>Notomastus hemipodus</i>	Cryptogenic			
	<i>Notomastus latericeus</i>	Cryptogenic	Northwest Atlantic		
	<i>Ophelina acuminata</i>	Cryptogenic			
	<i>Ophryotrocha puerilis</i>	Cryptogenic			

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
	<i>Owenia fusiformis</i>	Cryptogenic	Northeast Atlantic		
	<i>Paranais frici</i>	Cryptogenic	Black/Caspian Seas	1960	BOU
			Europe		
	<i>Pectinaria granulata</i>	Cryptogenic			
	<i>Petaloprotus borealis</i>	Cryptogenic			
	<i>Pherusa plumosa</i>	Cryptogenic			
	<i>Pholoe minuta</i>	Cryptogenic			
	<i>Phyllochaetopterus claparedii</i>	Cryptogenic			
	<i>Phyllodoce groenlandica</i>	Cryptogenic	Northwest Atlantic		
	<i>Phyllodoce maculata</i>	Cryptogenic			
	<i>Phylo ornatus</i>	Cryptogenic	Northwest Atlantic	1969	
	<i>Pileolaria lateralis</i>	Cryptogenic			
	<i>Pionosyllis typica</i>	Introduced	Unknown	1966	
	<i>Pista brevibranchiata</i>	Cryptogenic	North America - Pacific NW		
	<i>Pista cf. disjuncta</i>	Cryptogenic			
	<i>Platynereis bicanalculata</i>	Cryptogenic			
	<i>Poecilochaetus johnsoni</i>	Cryptogenic			
	<i>Polydora armata</i>	Cryptogenic			
	<i>Polydora cornuta</i>	Cryptogenic	North Atlantic	1933	F
			Northwest Atlantic		
	<i>Polydora ligni</i>	Introduced	North Atlantic	1932	ABF
	<i>Polydora limicola</i>	Introduced	Western Pacific	2000	F
	<i>Polydora nuchalis</i>	Cryptogenic			
	<i>Polydora websteri</i>	Introduced			
	<i>Polyopthalmus pictus</i>	Cryptogenic			
	<i>Potamothrix bavaricus</i>	Introduced	Eurasia	1965	BOU
	<i>Prionospio heterobranchia</i>	Cryptogenic			
	<i>Prionospio lighti</i>	NativeX		1989	
	<i>Prionospio pinnata</i>	Cryptogenic			
	<i>Prionospio steenstrupi</i>	Cryptogenic	Northwest Atlantic		
	<i>Pristina aequiseta</i>	Cryptogenic			
	<i>Pristina leidyi</i>	Cryptogenic			
Annelida (continued)	<i>Pristinella jenkinae</i>	Cryptogenic			
	<i>Proceraea cornuta</i>	Cryptogenic	Northwest Atlantic		
	<i>Protocirrineris sp. B</i>	Cryptogenic			
	<i>Protolaeospira eximia</i>	Cryptogenic			
	<i>Pseudopolydora kempfi</i>	Introduced	Eurasia	1951	ABF

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
			Indian Ocean		
			Japan		
			Northwest Pacific		
			Western Pacific		
	<i>Pseudopolydora paucibranchiata</i>	Introduced	Indo-Pacific	1950	ABF
			Japan		
	<i>Pseudopolydora paucibranchiata</i>		Western Pacific		
	<i>Pygospio elegans</i>	Cryptogenic	North Atlantic	2000	
	<i>Sabellaria gracilis</i>	NativeX			
	<i>Sabellaria spinulosa</i>	Introduced	Atlantic		
	<i>Scalibregma inflatum</i>	Cryptogenic			
	<i>Scionella japonica</i>	Cryptogenic			
	<i>Scolelepis nr. yamaguchii</i>	Cryptogenic			
	<i>Scolelepis squamata</i>	Introduced	Unknown	1960	
	<i>Scolelepis tridentata</i>	Cryptogenic			
	<i>Scoletoma tetraura Complex</i>	Cryptogenic			
	<i>Scoloplos armiger</i>	Cryptogenic	Japan	1950	
	<i>Serpula vermicularis</i>	Introduced	Europe	1992	
			North Atlantic		
			Northeast Atlantic		
	<i>Sigambra bassi</i>	Cryptogenic	Northwest Atlantic		
	<i>Sigambra tentaculata</i>	Cryptogenic			
	<i>Simplaria pseudomilitaris</i>	Cryptogenic			
	<i>Sphaerosyllis sp. A</i>	Cryptogenic	Unknown		
	<i>Spio filicornis</i>	Cryptogenic	Unknown		
	<i>Spiochaetopterus costarum</i>	Introduced	Unknown	1990	
	<i>Spiophanes bombyx</i>	Cryptogenic	North Atlantic	1992	
	<i>Spiophanes wigleyi</i>	Cryptogenic	North Atlantic	2000	
	<i>Sternaspis fossor</i>	Cryptogenic	Northwest Atlantic		
	<i>Sternaspis scutata</i>	Cryptogenic			
	<i>Streblospio benedicti</i>	Introduced	Atlantic	1932	ABF
	<i>Syllides longocirrata</i>	Cryptogenic			
Annelida (continued)	<i>Syllis gracilis</i>	Cryptogenic			
	<i>Syllis orientalis</i>	Cryptogenic			
	<i>Teneridrilus mastix</i>	Cryptogenic	Asia		
	<i>Terebrasabella heterouncinata</i>	Introduced	Africa	1980	A
	<i>Tharyx parvus</i>	Cryptogenic			
	<i>Thelepus setosus</i>	Cryptogenic			

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
	<i>Thormora johnstoni</i>	Cryptogenic			
	<i>Trochochaeta multisetosa</i>	Introduced	Northwest Atlantic	1963	
	<i>Trypanosyllis cf. taeniaformis</i>	Cryptogenic			
	<i>Tubifex tubifex</i>	Cryptogenic			
	<i>Tubificoides apectinatus</i>	Introduced	North Atlantic	1961	ABO
	<i>Tubificoides brownae</i>	Introduced	China	1961	ABO
			North Atlantic		
	<i>Tubificoides wasselli</i>	Introduced	Northwest Atlantic	1961	ABO
	<i>Typosyllis armillaris</i>	Cryptogenic			
	<i>Typosyllis fasciata</i>	Cryptogenic			
	<i>Typosyllis hyalina</i>	Cryptogenic			
	<i>Typosyllis nipponica</i>	Introduced	Northwest Pacific	1986	
	<i>Varichaetadrilus angustipenis</i>	Introduced	North America - Midwest	1982	BU
Arthropoda					
	<i>Acanthomysis aspera</i>	Introduced	Asia	1992	B
			Japan		
	<i>Acanthomysis bowmani</i>	Introduced	Asia	1980	B
	<i>Acanthomysis hwanghaiensis</i>	Introduced	Asia	1997	
	<i>Acartiella sinensis</i>	Introduced	China	1993	B
			Western Pacific		
	<i>Achelia echinata</i>	Introduced	Atlantic		
	<i>Ammothella hilgendorfi</i>	Introduced			
	<i>Ammothella menziesi</i>	Cryptogenic			
	<i>Ampelisca abdita</i>	Introduced	Northwest Atlantic	1954	AB
	<i>Ampelisca agassizi</i>	Cryptogenic			
	<i>Amphilochus neapolitanus</i>	Cryptogenic			
	<i>Ampithoe lacertosa</i>	Cryptogenic			
	<i>Anisolabis maritima</i>	Introduced	North Atlantic	1921	O
	<i>Anonyx cf. illigeborgi</i>	Cryptogenic			
	<i>Aoroides secunda</i>	Cryptogenic			
Arthropoda (continued)	<i>Argissa hamatipes</i>	Cryptogenic			
	<i>Balanus amphitrite</i>	Introduced	Indian Ocean	1921	F
	<i>Balanus eburneus</i>	Introduced			
	<i>Balanus improvisus</i>	Introduced	North Atlantic	1853	F
	<i>Caecidotea racovitzae</i>	Introduced			
	<i>Caprella equilibra</i>	Cryptogenic	North Atlantic	1907	
			Northwest Atlantic		

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
	<i>Caprella mutica</i>	Introduced	Asia	1973	AB
			Japan		
	<i>Caprella natalensis</i>	Introduced	Northwest Atlantic	1942	B
	<i>Caprella penantis</i>	Cryptogenic	Unknown		
	<i>Caprella scaura</i>	Introduced	Asia	1985	B
	<i>Caprella simia</i>	Introduced			
	<i>Carcinus maenas</i>	Introduced	Europe	1989	BU
	<i>Chaetocorophium lucasi</i>	Introduced	New Zealand	1970	BFO
	<i>Chelura terebrans</i>	Introduced	North Atlantic	1948	F
	<i>Corophium acherusicum</i>	Introduced	New Zealand	1912	ABF
	<i>Corophium alienense</i>	Introduced	Southwest Pacific	1973	B
	<i>Corophium heteroceratum</i>	Introduced	China	1986	B
	<i>Corophium insidiosum</i>	Introduced	North Atlantic	1931	AF
	<i>Corophium uenoii</i>	Introduced	Asia	1980	A
			Japan		
	<i>Coullana canadensis</i>	Introduced			
	<i>Crangonyx floridanus</i> Subgroup	Cryptogenic			
	<i>Cumella</i> sp. A	Cryptogenic			
	<i>Cumella</i> sp. B	Cryptogenic			
	<i>Cumella vulgaris</i>	Cryptogenic			
	<i>Deltamysis holmquistae</i>	Introduced	Unknown	1976	B
	<i>Dynoides dentisinus</i>	Introduced	Asia	1894	BF
			Japan		
	<i>Elasmopus rapax</i>	Introduced			
	<i>Eochelidium miraculum</i>	Introduced	Western Pacific	1995	
	<i>Eochelidium</i> sp. A	Introduced	Northwest Pacific	1993	F
	<i>Erithonius brasiliensis</i>	Introduced	North America - Pacific NW	1975	
	<i>Eriocheir sinensis</i>	Introduced	China	1992	BI
			Europe		
Arthropoda (continued)	<i>Eulimnadia texana</i>	Introduced	North America - Southern States	2000	
	<i>Eurytemora affinis</i>	Cryptogenic	Unknown	1977	
	<i>Eusarsiella zostericola</i>	Introduced	Northwest Atlantic	1953	A
	<i>Eusiroides monoculoides</i>	Cryptogenic			
	<i>Exopalaemon carinicauda</i>	Introduced	Asia	1992	
	<i>Exopalaemon modestus</i>	Introduced	Asia	1995	

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
	<i>Gammarus daiberi</i>	Introduced	Europe	1931	B
	<i>Gammarus daiberi</i>		North Atlantic		
			Northwest Atlantic		
	<i>Gibberosus myersi</i>	Introduced		1969	
	<i>Gitanopsis vilordes</i>	Cryptogenic			
	<i>Grandidierella japonica</i>	Introduced	Japan	1966	ABF
			North America - Atlantic		
	<i>Grandifoxus grandis</i>	Cryptogenic			
	<i>Hemicyclops subadhaerens</i>	Cryptogenic			
	<i>Hemilamprops californicus</i>	Cryptogenic			
	<i>Homarus americanus</i>	Introduced			U
	<i>Huntemannia jadensis</i>	Cryptogenic			
	<i>Hyale plumulosa</i>	NativeX		2000	
	<i>Hyalella azteca</i>	Cryptogenic			
	<i>Iais californica</i>	Introduced	Australia	1893	F
			New Zealand		
	<i>Ianiropsis serricaudis</i>	Introduced	Japan	1977	B
	<i>Ianiropsis tridens</i>	Introduced			
	<i>Incisocalliope nipponensis</i>	Introduced	Japan	2000	BF
	<i>Ischyrocerus anguipes</i>	Introduced	Europe	1954	F
			North Atlantic		
	<i>Ischyrocerus litotes</i>	Cryptogenic			
	<i>Ischyrocerus pelagops</i>	Cryptogenic			
	<i>Jassa carltoni</i>	Cryptogenic			
	<i>Jassa marmorata</i>	Introduced	Northwest Atlantic	1941	BF
	<i>Jassa slatteryi</i>	NativeX			F
	<i>Jassa staudei</i>	Cryptogenic			
Arthropoda (continued)	<i>Laticorophium baconi</i>	Cryptogenic			
	<i>Leptochelia dubia</i>	Cryptogenic			
	<i>Leptochelia savignyi</i>	Cryptogenic	Atlantic	1992	
	<i>Leucothoe alata</i>	Introduced	Japan	1966	AF
	<i>Limnoithona sinensis</i>	Introduced	China	1979	B
	<i>Limnoithona tetraspina</i>	Introduced	China	1850	B
			Northwest Atlantic		
	<i>Limnoria lignorum</i>	Cryptogenic	North Atlantic	1949	F
			Northern Pacific		
	<i>Limnoria quadripunctata</i>	Introduced	Black/Caspian Seas	1871	F

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
	<i>Limnoria tripunctata</i>	Introduced	Unknown	1871	F
	<i>Melita nitida</i>	Introduced	Northwest Atlantic	1938	ABFO
	<i>Metatiron tropakis</i>	Cryptogenic			
	<i>Microdeutopus gryllotalpa</i>	Introduced	Europe	1980	
			Northeast Atlantic		
	<i>Microjassa litotes</i>	Cryptogenic			
	<i>Monocorophium acherusicum</i>	Introduced	Atlantic	1912	
			Indian Ocean		
	<i>Monocorophium insidiosum</i>	Introduced	North America - Pacific Northwest	1931	AF
	<i>Munnogonium wilsoni</i>	Introduced	Caribbean	2001	
	<i>Mytilicola orientalis</i>	Introduced	Asia	1974	AB
			China		
			Western Pacific		
	<i>Nebalia hessleri</i>	Cryptogenic			
	<i>Nebalia pugettensis</i>	Introduced			
	<i>Neochetina bruchi</i>	Introduced	South America - Atlantic	1982	I
	<i>Neochetina eichhorniae</i>	Introduced	South America - Atlantic	1982	I
	<i>Nippoleucon hinumensis</i>	Introduced	Japan	1979	B
	<i>Oithona davisae</i>	Introduced	Asia	1974	B
			Japan		
	<i>Oithona similis</i>	Introduced	China	1979	
			Japan		
	<i>Orconectes virilis</i>	Introduced	North America - Midwest	1939	U
	<i>Pacifastacus leniusculus</i>	Introduced	North America - Pacific NW	1898	I
	<i>Palaemon macrodactylus</i>	Introduced	Asia	1950	B
			China		
	<i>Paracerceis sculpta</i>	NativeX			
Arthropoda (continued)	<i>Paradexamine cf. churinga</i>	Introduced			
	<i>Paranthura elegans</i>	Introduced	Australia	1904	
	<i>Paranthura japonica</i>	Introduced			
	<i>Parapleustes derzhavini</i>	Introduced	Western Pacific	1904	F
	<i>Photis pachydactyla</i>	NativeX	North America - Pacific NW	2000	
	<i>Photis sp. OC1</i>	Cryptogenic			
	<i>Phtisica marina</i>	Introduced	Caribbean	2001	
	<i>Pleurocope floridensis</i>	Introduced	Caribbean	2001	
	<i>Podocerus cristatus</i>	Introduced	Indian Ocean	1942	
			Southwest Pacific		

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
	<i>Podocerus fulanus</i>	Cryptogenic			
	<i>Pontogenia rostrata</i>	Introduced	Northwest Atlantic	1938	
	<i>Procambarus clarkii</i>	Introduced	North America - Southern States	1924	I
	<i>Prokelisia marginata</i>	Cryptogenic			
	<i>Pseudodiaptomus forbesi</i>	Introduced	China	1987	B
	<i>Pseudodiaptomus marinus</i>	Introduced	Asia	1986	AB
			China		
			Japan		
	<i>Pygodelphys aquilonaris</i>	Cryptogenic			
	<i>Redekeea californica</i>	Introduced		1979	
	<i>Rhithropanopeus harrisi</i>	Introduced	Asia	1937	ABF
			Northwest Atlantic		
	<i>Saduria entomon</i>	Cryptogenic			
	<i>Salmoneus gracilipes</i>	Introduced	Japan	1976	
	<i>Sinelobus stanfordi</i>	Introduced		1981	BF
	<i>Sinocalanus doerrii</i>	Introduced	China	1978	B
			Japan		
	<i>Sinocorophium alienense</i>	Introduced	Southwest Pacific	1973	BF
	<i>Sinocorophium heteroceratum</i>	Introduced	Atlantic	1948	
	<i>Sphaeroma quoyanum</i>	Introduced	Australia	1893	F
			New Zealand		
	<i>Sphaeroma walkeri</i>	Introduced	Indian Ocean	1973	
			Southwest Pacific		
	<i>Stenothoe valida</i>	Introduced	North America - Pacific NW	1941	BF
			Western Pacific		
Arthropoda (continued)	<i>Stephos pacificus</i>	Cryptogenic	Japan		
	<i>Synidotea laevidorsalis</i>	Introduced	Asia	1897	AF
			Northwest Pacific		
	<i>Tortanus dextrilobatus</i>	Introduced	Asia	1992	
	<i>Transorchestia enigmatica</i>	Introduced	New Zealand	1962	O
			South America - Pacific		
	<i>Trigonotylus uhleri</i>	Introduced	North America - Atlantic	1993	U
	<i>Zeuxo cf. maldivensis</i>	Cryptogenic			
	<i>Zeuxo normani</i>	Cryptogenic			
Bacillariophyta					
	<i>Achnanthes sp.</i>	Cryptogenic			
Chlorophycota					

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
	<i>Caulerpa taxifolia</i>	Introduced	Caribbean	2000	U
			Indo-Pacific		
	<i>Codium fragile tomentosoides</i>	Introduced	Japan	1970	F
	<i>Enteromorpha intestinalis</i>	Cryptogenic			
	<i>Ulva lactuca</i>	Cryptogenic			
Chordata					
	<i>Acanthogobius flavimanus</i>	Introduced	Asia	1959	B
			Western Pacific		
	<i>Alosa sapidissima</i>	Introduced	North America - Midwest	1871	I
			North America - Southern States		
	<i>Ameiurus catus</i>	Introduced	North America - Midwest	1874	I
	<i>Ameiurus melas</i>	Introduced	North America - Midwest	1874	I
	<i>Ameiurus natalis</i>	Introduced	North America - Midwest	1874	I
	<i>Ameiurus nebulosus</i>	Introduced	North America - Midwest	1874	I
	<i>Anguilla anguilla</i>	Introduced	Europe	1969	BU
	<i>Anguilla australis</i>	Introduced	Australia	1983	U
	<i>Anguilla rostrata</i>	Introduced	North America - Midwest	1896	I
			Northwest Atlantic		
	<i>Ascidia zara</i>	Introduced	Japan	1984	B
	<i>Asridoconcha limnoria</i>	Introduced		1979	
	<i>Atherinops regius</i>	Introduced	Gulf of Mexico	1950	I
	<i>Bostrichobranchus pilularis</i>	Introduced	Central America	1994	
			Northwest Atlantic		
Chordata (continued)	<i>Botrylloides perspicuum</i>	Introduced	Southern Pacific		
	<i>Botrylloides violaceus</i>	Introduced	Western Pacific	1973	
	<i>Botryllus aurantius</i>	Introduced	Japan	1973	
	<i>Botryllus firmus</i>	Introduced			
	<i>Botryllus schlosseri</i>	Introduced	Europe	1940	
			Northeast Atlantic		
	<i>Botryllus sp. A</i>	Introduced			
	<i>Botryllus tuberatus</i>	Cryptogenic		1945	
	<i>Carassius auratus</i>	Introduced	China	1600	U
	<i>Chaenobrytus gulosus</i>	Introduced	North America - Midwest	1921	I
	<i>Chanos chanos</i>	Introduced	Northwest Atlantic	1970	
	<i>Ciona intestinalis</i>	Introduced	Europe	1897	BF
			North America - Atlantic		
			North Atlantic		

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
	<i>Ciona savignyi</i>	Introduced	Japan	1985	BF
	<i>Collossoma macropomum</i>	Introduced	South America - Atlantic		U
			South America - Pacific		
	<i>Cyprinus carpio</i>	Introduced	Eurasia	1872	I
	<i>Didemnum cernuum</i>	Cryptogenic			
	<i>Diplosoma listerianum</i>	Introduced	Northeast Atlantic		
	<i>Dorosoma petenense</i>	Introduced	Gulf of Mexico	1953	I
			North America - Atlantic		
	<i>Gambusia affinis</i>	Introduced	North America - Midwest	1922	I
	<i>Hypomesus japonicus</i>	Introduced	Japan	1895	U
	<i>Ictalurus furcatus</i>	Introduced	North America - Midwest	1969	I
	<i>Ictalurus punctatus</i>	Introduced	North America - Midwest	1891	I
	<i>Lepisosteus spatula</i>	Introduced	Gulf of Mexico	1991	U
	<i>Lepomis cyanellus</i>	Introduced	North America - Midwest	1871	I
			Northwest Atlantic		
	<i>Lepomis gulosus</i>	Introduced	North America - Midwest	1891	I
	<i>Lepomis macrochirus</i>	Introduced	North America - Midwest	1908	I
	<i>Lepomis microlophus</i>	Introduced	North America - Midwest	1948	I
			North America - Southern States		
	<i>Lucania parva</i>	Introduced	Atlantic	1958	U
			North America - Midwest		

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
Chordata (continued)	<i>Menidia beryllina</i>	Introduced	North America - Atlantic	1967	I
			North America - Midwest		
	<i>Microcosmus exasperatus</i>	Introduced	Indo-Pacific	1980	B
	<i>Microcosmus squamiger</i>	Introduced	Australia	1986	BF
	<i>Micropterus dolomieu</i>	Introduced	North America - Midwest	1874	I
	<i>Micropterus punctulatus</i>	Introduced	North America - Southern States		I
	<i>Micropterus punctulatus henshalli</i>	Introduced	Northwest Atlantic	1940	
	<i>Micropterus salmoides</i>	Introduced	North America - Midwest	1891	I
	<i>Molgula manhattensis</i>	Introduced	Europe	1949	BF
			North America - Atlantic		
			North Atlantic		
			Northwest Atlantic		
	<i>Morone saxatilis</i>	Introduced	North America - Atlantic	1879	I
	<i>Notemigonus crysoleucas</i>	Introduced	North America - Atlantic	1891	U
			North America - Midwest		
	<i>Ondatra zibethicus</i>	Introduced	North America - Midwest	1921	I
	<i>Oreochromis mossambicus</i>	Introduced	Africa	1964	
	<i>Osteoglossum bicirrhosum</i>	Introduced	Central America		U
			South America - Atlantic		
			South America - Pacific		
	<i>Paraclinus intergripinnis</i>	Cryptogenic			
	<i>Perca flavescens</i>	Introduced			I
	<i>Percina macrolepida</i>	Introduced	North America - Southern States	1953	U
	<i>Pimephales promelas</i>	Introduced	North America - Midwest	1953	U
	<i>Poecilia latipinna</i>	Introduced	North America - Atlantic	1979	
	<i>Polyandrocarpa zorritensis</i>	Introduced	South America - Pacific	1994	
	<i>Pomoxis annularis</i>	Introduced	North America - Midwest	1908	I
			North America - Southern States		
	<i>Pomoxis nigromaculatus</i>	Introduced	North America - Midwest	1908	I
			North America - Southern States		
	<i>Pseudemys scripta</i>	Introduced	North America - Southern States	1989	U
	<i>Rana catesbeiana</i>	Introduced	North America - Midwest	1910	I
	<i>Sabaco elongatus</i>	Introduced	Northwest Atlantic	1950	AB
	<i>Salmo salar</i>	Introduced	North America - Atlantic		I

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
Chordata (continued)	<i>Salmo trutta</i>	Introduced	Africa		
			Asia		
			Europe		
	<i>Salvelinus fontinalis</i>	Introduced	North America - Midwest	1900	I
	<i>Salvelinus namaycush</i>	Introduced	North America - Midwest		I
	<i>Stizostedion vitreum</i>	Introduced	North America - Midwest		I
	<i>Styela canopus</i>	Introduced	North Atlantic	1972	BF
	<i>Styela clava</i>	Introduced	Asia	1932	ABF
			Japan		
			Western Pacific		
	<i>Styela plicata</i>	Introduced		1915	BF
	<i>Symplegma brakenhielmi</i>	Introduced	Gulf of Mexico	1991	BFO
	<i>Symplegma reptans</i>	Introduced	Japan	1997	BFO
	<i>Tautoga onitis</i>	Introduced	North America - Atlantic	1897	I
	<i>Thymallus arcticus</i>	Introduced	North America - Midwest		I
	<i>Tridentiger barbatus</i>	Introduced	Asia	1900	B
			Northwest Atlantic		
	<i>Tridentiger bifasciatus</i>	Introduced	Asia	1985	B
			Japan		
	<i>Tridentiger trigonocephalus</i>	Introduced	Asia	1960	ABF
Chromophyta					
	<i>Heterosigma akashiwo</i>	Introduced	Japan	1998	
Ciliophora					
	<i>Ancistrocoma pelseneeri</i>	Introduced	Europe	1936	
	<i>Ancistrum cyclidioides</i>	Introduced	Europe	1946	
	<i>Ancistrumina kofoidi</i>	Cryptogenic			
	<i>Boveria teredinidi</i>	Introduced	North Atlantic	1927	
	<i>Cochliophilus depressus</i>	Cryptogenic			
	<i>Cochliophilus minor</i>	Cryptogenic			
	<i>Cothurnia limnoriae</i>	Introduced		1927	
	<i>Lobochona prorates</i>	Introduced		1927	
	<i>Mesodinium rubrum</i>	Cryptogenic			
	<i>Mirofolliculina limnoriae</i>	Introduced		1927	
	<i>Sphenophyra dosiniaae</i>	Introduced	Europe	1946	

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
Cnidaria					
	<i>Aurelia aurita</i>	Introduced	Japan	1989	B
			Northwest Pacific		
	<i>Blackfordia virginica</i>	Introduced	Black/Caspian Seas	1935	BF
	<i>Bougainvillia ramosa</i>	Cryptogenic			
	<i>Bunodeopsis</i> sp. A	Introduced			
	<i>Cladonema uchidai</i>	Introduced	Asia	1960	ABF
			Japan		
	<i>Clava multicornis</i>	Introduced	North Atlantic	1895	BF
			Northwest Atlantic		
	<i>Cordylophora caspia</i>	Introduced	Black/Caspian Seas	1950	BF
	<i>Diadumene cincta</i>	Introduced	Europe	1955	BF
			North Atlantic		
	<i>Diadumene franciscana</i>	Introduced	Indo-Pacific	1940	BF
	<i>Diadumene leucolena</i>	Introduced	North America - Atlantic	1936	ABF
			Northwest Atlantic		
	<i>Diadumene lineata</i>	Introduced	Japan	1906	ABF
	<i>Ectopleura crocea</i>	Introduced	China	1859	
	<i>Garveia franciscana</i>	Introduced	Indian Ocean	1901	F
	<i>Gonothyraea clarki</i>	Introduced	North Atlantic	1859	AF
	<i>Maeotias inexpectata</i>	Introduced	Black/Caspian Seas	1970	BF
	<i>Metridium senile</i>	Cryptogenic			
	<i>Nematostella vectensis</i>	Cryptogenic	Europe	1992	
	<i>Obelia bidentata</i>	Introduced	Indian Ocean	1901	AB
			North America - Atlantic		
	<i>Obelia cf. gracilis</i>	Cryptogenic			
	<i>Obelia dichotoma</i>	Introduced	Europe	1894	B
			North Atlantic		
	<i>Obelia geniculata</i>	Introduced			
	<i>Obelia longissima</i>	Cryptogenic			
	<i>Obelia nr. dichotoma</i>	Cryptogenic			
	<i>Phyllorhiza punctata</i>	Introduced	Northwest Atlantic	1985	
	<i>Plumularia alicia</i>	Cryptogenic			
	<i>Rhizocaulus verticillatus</i>	Cryptogenic			
	<i>Sarsia tubulosa</i>	Introduced	North Atlantic	1860	F
	<i>Syncoryne eximia</i>	Cryptogenic			
Cnidaria (continued)	<i>Tubularia crocea</i>	Introduced	Northwest Atlantic	1859	F

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
Cryptophycophyta	<i>Tubularia indivisa</i>	Cryptogenic			
	<i>Tubularia nr. indivisa</i>	Cryptogenic			
	<i>Chroomonas minuta</i>	Cryptogenic			
Echinodermata					
	<i>Amphipholis squamata</i>	Cryptogenic			
Ectoprocta					
	<i>Aetea anguina</i>	Cryptogenic		1970	
	<i>Alcyonium gelatinosum</i>	Introduced	North Atlantic	1951	
	<i>Alcyonium parasiticum</i>	Cryptogenic			
	<i>Alcyonium polyomum</i>	Introduced	Northwest Atlantic	1951	ABF
	<i>Amathia distans</i>	Cryptogenic			
	<i>Amathia vidovici</i>	Cryptogenic			
	<i>Anguinella palmata</i>	Introduced	North Atlantic	1933	F
	<i>Bowerbankia gracilis</i>	Introduced	Northwest Atlantic	1953	AF
	<i>Bugula flabellata</i>	Introduced			
	<i>Bugula neritina</i>	Introduced	Atlantic	1905	ABF
	<i>Bugula stolonifera</i>	Introduced	Europe	1929	F
			Northwest Atlantic		
	<i>Celleporella hyalina</i>	NativeX		1970	
	<i>Conopeum reticulum</i>	Cryptogenic		1970	
	<i>Conopeum tenuissimum</i>	Introduced	Northwest Atlantic	1945	ABF
	<i>Cryptosula pallasiana</i>	Introduced	North Atlantic	1943	ABF
			Northwest Atlantic		
	<i>Diaperoecia floridana</i>	Cryptogenic		1970	
	<i>Disporella fimbriata</i>	Cryptogenic			
	<i>Electra crustulenta</i>	Cryptogenic			
	<i>Eurystomella bilabiata</i>	Cryptogenic			
	<i>Membranipora sp.</i>	Cryptogenic			
	<i>Nolella stipata</i>	Introduced	North Atlantic		
	<i>Schizoporella unicornis</i>	Introduced	Northwest Atlantic	1938	AF
			Western Pacific		
Ectoprocta (continued)	<i>Victorella pavida</i>	Introduced	Indian Ocean	1930	AF
	<i>Watersipora arcuata</i>	Introduced	Western Pacific	1964	F
	<i>Watersipora subtorquata</i>	Introduced	Northwest Pacific	1963	F

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
Entoprocta			Western Pacific		
	<i>Zoobotryon verticillatum</i>	Introduced		1905	F
	<i>Barentsia benedeni</i>	Introduced	Europe	1929	AF
Granuloreticulosa			North Atlantic		
	<i>Urnatella gracilis</i>	Introduced	North America - Midwest	1972	U
Magnoliophyta					
	<i>Milliammina fusca</i>	Cryptogenic			
Magnoliophyta (continued)	<i>Chenopodium macrospermum</i>	Introduced	South America - Atlantic	1959	
			South America - Pacific		
	<i>Cotula coronopifolia</i>	Introduced	Africa	1878	
	<i>Egeria densa</i>	Introduced	South America - Atlantic	1944	U
			South America - Pacific		
	<i>Eichhornia crassipes</i>	Introduced	South America - Atlantic	1904	U
			South America - Pacific		
	<i>Hydrilla verticillata</i>	Introduced			
	<i>Iris pseudacorus</i>	Introduced	Europe	1957	U
	<i>Lepidium latifolium</i>	Introduced	Eurasia	1936	
	<i>Limosella subulata</i>	Introduced	North Atlantic	1959	
	<i>Lythrum salicaria</i>	Introduced	Europe	1968	
	<i>Myriophyllum aquaticum</i>	Introduced	South America - Atlantic	1957	U
			South America - Pacific		
	<i>Myriophyllum sibiricum</i>	Cryptogenic	Africa	1976	
			Eurasia		
	<i>Myriophyllum spicatum</i>	Introduced			
	<i>Polygonum amphibium</i>	Cryptogenic			
	<i>Polygonum patulum</i>	Introduced	Europe	1959	
	<i>Polypogon elongatus</i>	Introduced	South America - Atlantic	1959	
			South America - Pacific		
	<i>Potamogeton crispus</i>	Introduced	Europe	1959	I
	<i>Rorippa nasturtium-aquaticum</i>	Introduced	Europe	1944	O
	<i>Salsola soda</i>	Introduced	Europe	1968	
	<i>Spartina alterniflora</i>	Introduced	North America - Atlantic	1970	I

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
			Northwest Atlantic		
	<i>Spartina anglica</i>	Introduced	Europe	1977	I
	<i>Spartina densiflora</i>	Introduced	South America - Pacific	1870	IO
	<i>Spartina patens</i>	Introduced	North America - Southern States	1968	
	<i>Spergularia media</i>	Introduced	Europe	1959	
	<i>Spirodela punctata</i>	Introduced			
	<i>Typha angustifolia</i>	Introduced	Eurasia	1951	
Mollusca					
	<i>Alderia modesta</i>	Introduced		2001	
	<i>Arca transversa</i>	Introduced		1915	
	<i>Arctica islandica</i>	Introduced	North Atlantic	1998	U
	<i>Arcuatula demissa</i>	Introduced	Northwest Atlantic	1894	A
	<i>Babakina festiva</i>	Introduced	Japan	1972	
	<i>Batillaria attramentaria</i>	Introduced	Indian Ocean	1941	
	<i>Boonea bisuturalis</i>	Introduced	Northwest Atlantic	1977	AB
	<i>Busycotypus canaliculatus</i>	Introduced	Northeast Atlantic	1938	AU
	<i>Catriona rickettsi</i>	Introduced	Japan	1974	BF
	<i>Ceratostoma inornatum</i>	Introduced	Asia	1941	
	<i>Ceratostoma inornatum</i>		Japan		
	<i>Cipangopaludina chinensis malleata</i>	Introduced	Northwest Atlantic	1900	U
	<i>Corbicula fluminea</i>	Introduced	Asia	1945	AU
	<i>Crassostrea gigas</i>	Introduced	Japan	1932	AB
	<i>Crassostrea virginica</i>	Introduced	Atlantic	1869	A
	<i>Crepidula convexa</i>	Introduced	Atlantic	1898	A
	<i>Crepidula fornicate</i>	Introduced			
	<i>Crepidula onyx</i>	Introduced	North Atlantic	1898	
	<i>Crepidula plana</i>	Introduced	Atlantic	1901	A
	<i>Cuthona perca</i>	Introduced		1966	BF
	<i>Dendronotus frondosus</i>	Cryptogenic			
	<i>Ennucula tenuis</i>	Cryptogenic			
	<i>Eubranchus misakiensis</i>	Introduced	Asia	1962	ABF
			Japan		
Mollusca (continued)	<i>Gemma gemma</i>	Introduced	Northwest Atlantic	1890	A
	<i>Geukensia demissa</i>	Introduced	North Atlantic	1800	
	<i>Haliotis rufescens</i>	Introduced	Japan	1941	
	<i>Hiatella arctica</i>	NativeX			

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
	<i>Ilyanassa obsoleta</i>	Introduced	China	1965	A
	<i>Lacuna vincta</i>	Cryptogenic			
	<i>Laternula marilina</i>	Introduced	China	1992	AB
			Japan		
			Northwest Pacific		
	<i>Littorina littorea</i>	Introduced		1901	
	<i>Littorina saxatilis</i>	Introduced	North Atlantic	1979	U
	<i>Lyrodus pedicellatus</i>	Introduced		1871	F
	<i>Macoma balthica</i>	Introduced	Asia	1962	A
			Europe		
	<i>Macoma petalum</i>	Introduced	North Atlantic	1841	AO
			Northwest Atlantic		
	<i>Melanoides tuberculata</i>	Introduced			U
	<i>Mercenaria mercenaria</i>	Introduced	Atlantic	1932	I
			Japan		
	<i>Musculista senhousia</i>	Introduced	China	1941	ABF
			Japan		
	<i>Mya arenaria</i>	Introduced	North Atlantic	1874	A
	<i>Myosotella myosotis</i>	Introduced		1968	
	<i>Mytilus galloprovincialis</i>	Introduced	Mediterranean	1900	F
	<i>Okenia plana</i>	Introduced	Japan	1950	ABF
	<i>Ostrea edulis</i>	Introduced	Northwest Atlantic	1870	I
	<i>Ostrea lurida</i>	Introduced	Northwest Atlantic	1901	
	<i>Ostrea sinuata</i>	Introduced			
	<i>Ovatella myosotis</i>	Introduced	Europe	1871	ABFOU
			North Atlantic		
	<i>Petricolaria pholadiformis</i>	Introduced	Northwest Atlantic	1927	AB
	<i>Philine auriformis</i>	Introduced	Australia	1920	B
			New Zealand		
	<i>Pomacea canaliculata</i>	Introduced	South America - Atlantic	1998	
			South America - Pacific		

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
Mollusca (continued)	<i>Potamocorbula amurensis</i>	Introduced	Asia	1986	B
			China		
			Japan		
	<i>Potamopyrgus antipodarum</i>	Introduced	New Zealand	1987	
	<i>Pseudosuccinea columella</i>	Introduced		1966	
	<i>Pteria sterna</i>	Introduced	Europe	1962	
	<i>Pulsellum salishorum</i>	Cryptogenic			
	<i>Sakuraeolis enosimensis</i>	Introduced	Japan	1927	BFU
			Northwest Atlantic		
	<i>Sphenia fragilis</i>	Introduced		1966	
	<i>Tenellia adspersa</i>	Introduced	Europe	1953	BFO
			Japan		
	<i>Teredo bartschi</i>	Introduced			
	<i>Teredo navalis</i>	Introduced		1913	F
	<i>Theora fragilis</i>	Introduced	Asia	1968	B
			Western Pacific		
	<i>Theora lubrica</i>	Introduced	Asia	1968	
			China		
			Indo-Pacific		
			Japan		
	<i>Urosalpinx cinerea</i>	Introduced	New Zealand	1992	A
			North Atlantic		
			Northwest Atlantic		
	<i>Venerupis philippinarum</i>	Introduced	Asia	1946	A
			Japan		
			Western Pacific		
	<i>Zirfaea crispata</i>	Introduced	Europe	1900	
Nemertea					
	<i>Cerebratulus montgomeryi</i>	Cryptogenic			
	<i>Dichonemertes hartmanae</i>	Cryptogenic			
	<i>Lineus ruber</i>	Cryptogenic			
	<i>Tetrastemma candidum</i>	Cryptogenic			
	<i>Tubulanus cingulatus</i>	NativeX		1905	
	<i>Tubulanus polymorphus</i>	NativeX			O
	<i>Zygonemertes virescens</i>	Cryptogenic			

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
Phaeophycophyta					
	<i>Elachista fucicola</i>	NativeX			
	<i>Sargassum muticum</i>	Introduced	Asia	1960	A
			Japan		
			Western Pacific		
	<i>Undaria pinnatifida</i>	Introduced	Japan	2000	
Phoronida					
	<i>Phoronopsis harmeri</i>	Cryptogenic			
Platyhelminthes					
	<i>Austrobilharzia variglandis</i>	Cryptogenic	North America - Atlantic	1964	
	<i>Childia groenlandica</i>	Cryptogenic			
Porifera					
	<i>Clathrina coriacea</i>	Cryptogenic			
	<i>Cliona celata</i>	Introduced	North America - Atlantic	1900	
	<i>Halichondria bowerbanki</i>	Introduced	Europe	1950	AF
			North America - Atlantic		
			North Atlantic		
	<i>Halichondria panicea</i>	Introduced	Northeast Atlantic		
	<i>Haliclona loosanoffi</i>	Introduced	North Atlantic	1950	F
			Northwest Atlantic		
	<i>Microciona prolifera</i>	Introduced	Northwest Atlantic	1945	AF
	<i>Sycon coronatum</i>	Cryptogenic			
	<i>Sycon nr. coronatum</i>	Cryptogenic			
Protozoa					
	<i>Ammobaculites exiguus</i>	Cryptogenic			
	<i>Trochammina hadai</i>	Introduced	Japan	1983	AB
Rhodophycota					
	<i>Aglaothamnion cordatum</i>	NativeX			
	<i>Callithamnion byssoides</i>	Introduced	North America - Atlantic	1945	
			Northwest Atlantic		
	<i>Chondracanthus teedii</i>	NativeX	North America - Pacific Northwest	2001	
	<i>Gelidium vagum</i>	Introduced		1953	
	<i>Gracilaria verrucosa</i>	Cryptogenic			
	<i>Grateloupia doryphora</i>	Cryptogenic			

Phylum	Species	Status of Introduction	Native Range or Region of Origin	Discovery Year	Pathway of Introduction
Rhodophycota (continued)	<i>Lomentaria hakodatensis</i>	Introduced	Japan	1963	A
			Northwest Pacific		
			Western Pacific		
	<i>Polysiphonia denudata</i>	Introduced	Northwest Atlantic	1963	F
Rotifera					
	<i>Synchaeta bicornis</i>	Cryptogenic			
Sipuncula					
	<i>Phascolosoma agassizi</i>	Cryptogenic			
	<i>Thysanocardia nigra</i>	Cryptogenic			